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### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) A process for compacting a green compact, comprising:

~~applying a higher fatty acid-based lubricant to an inner surface of a die spraying a powdery higher fatty acid-based lubricant which is dispersed in a dispersion comprising a surfactant onto an inner surface of a die, which is heated;~~

filling a raw material powder whose major component is an active metallic element into the die;

compacting the raw material powder by warm pressurizing to make a green compact;

and

ejecting the green compact from the die;

whereby the resulting green compact has a high density;

wherein the active metallic element is titanium or aluminum;

wherein, in the compacting step, a new metallic soap film being different from the higher fatty acid-based lubricant and comprising the active metallic element is formed on a surface of the green compact.

2. (Canceled)

3. (Currently Amended) The process of claim [[2]] 1, wherein the raw material powder further comprises at least one element selected from the group consisting of aluminum (Al), zirconium (Zr), hafnium (Hf), vanadium (V), niobium (Nb), tantalum (Ta), scandium (Sc), chromium (Cr), iron (Fe), molybdenum (Mo), tin (Sn), tungsten (W),

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manganese (Mn), nickel (Ni), copper (Cu), silicon (Si), carbon (C), boron (B), nitrogen (N) and oxygen (O).

4. (Currently Amended) The process of claim [[2]] 1, wherein the raw material powder comprises at least one member selected from the group consisting of pure titanium powders, titanium alloy powders and titanium compound powders.

5. (Canceled)

6. (Currently Amended) The process of claim [[5]] 1, wherein the raw material powder further comprises at least one element selected from the group consisting of Cu, magnesium (Mg), Mn, Zr, strontium (Sr), Ni, Cr, Fe, Mo, Sn, Si, C, B, N and O.

7. (Currently Amended) The process of claim [[5]] 1, wherein the raw material powder comprises at least one member selected from the group consisting of pure aluminum powders, aluminum alloy powders and aluminum compound powders.

8. (Previously Presented) The process of in claim 1, wherein the raw material powder is a mixture powder in which a hard-particle powder comprising at least one member selected from carbides, borides, nitrides and oxides is mixed.

9. (Previously Presented) The process of claim 1, wherein the active metallic element is Ti; and

a green density being an apparent density of the green compact is 85% or more of a true density determined by a composition of the raw material powder.

10. (Previously Presented) The process of claim 1, wherein the active metallic element is Al; and

a green density being an apparent density of the green compact is 90% or more of a true density determined by a composition of the raw material powder.

11. (Previously Presented) The process of claim 1, wherein, in the compacting step, the raw material powder is formed by warm pressurizing by a compacting pressure of 392 MPa or more while holding a warm state by controlling at least a contact-area temperature in a range of from 100 to 225°C, the contact-area temperature being a temperature of an area where the inner surface of the die contacts with the raw material powder.

12. (Previously Presented) The process of claim 11, wherein the active metallic element is Ti; and

the contact-area temperature falls in a range of from 100 to 225°C, and the compacting pressure falls in a range of from 500 to 2,500 MPa.

13. (Previously Presented) The process of claim 11, wherein the active metallic element is Al; and

the contact-area temperature falls in a range of from 100 to 225°C, and the compacting pressure falls in a range of from 392 to 2,500 MPa.

14. (Previously Presented) The process of claim 1, wherein an ejection force is 10 MPa or less in the ejecting step when a compacting pressure is 784 MPa or more in the compacting step.

15. (Previously Presented) The process of claim 14, wherein the active metallic element is Ti; and

the ejection force is 10 MPa or less when the compacting pressure is 784 MPa or more.

16. (Previously Presented) The process of claim 14, wherein the active metallic element is Al; and

the ejection force is 5 MPa or less when the compacting pressure is 392 MPa or more.

17. (Previously Presented) The process of claim 14, wherein a pressure ratio of the ejection force with respect to the compacting pressure shows a decreasing tendency when the compacting pressure increases.

18. (Canceled)

19. (Currently Amended) The process of claim [[18]] 1, wherein the dispersion comprises at least one member selected from the group consisting of water and alcohol-based solvents.

20. (Currently Amended) The process of claim [[18]] 1, wherein the dispersion comprises a mixture liquid in which water is mixed with an alcohol-based solvent in an amount of from 1 to 50% by volume.

21. (Currently Amended) The process of claim [[18]] 1, wherein the temperature of the heated die is a boiling point of the dispersion or more, and is less than a melting point of the higher fatty acid-based lubricant.

22. (Previously Presented) The process of claim 1, wherein the higher fatty acid-based lubricant comprises a metallic salt whose major component is at least one member selected from the group consisting of lithium salts, calcium salts and zinc salts of higher fatty acids.

23. (Currently Amended) The process of claim [[18]] 1, wherein the higher fatty acid-based lubricant has a maximum particle diameter of 30  $\mu\text{m}$  or less.

24. (Canceled)

25. (Currently Amended) The process of claim [[24]] 1, wherein the active metallic element is Ti; and

the metallic soap film comprises a Ti salt of a higher fatty acid.

26. (Currently Amended) The process of claim [[24]] 1, wherein the active metallic element is Al; and

the metallic soap film comprises an Al salt of a higher fatty acid.

27. (Withdrawn) A green compact produced by a process, comprising:  
applying a higher fatty acid-based lubricant to an inner surface of a die;

filling a raw material powder whose major component is an active metallic element into the die;

compacting the raw material powder by warm pressurizing to make a green compact;

and

ejecting the green compact from the die;

wherein the active metallic element is Ti; and

a green density being an apparent density of the green compact is 85% or more of a true density determined by a composition of the raw material powder.

28. (Withdrawn) A green compact produced by a process, comprising:

applying a higher fatty acid-based lubricant to an inner surface of a die;

filling a raw material powder whose major component is an active metallic element into the die;

compacting the raw material powder by warm pressurizing to make a green compact;

and

ejecting the green compact from the die;

wherein the active metallic element is Al; and

a green density being an apparent density of the green compact is 90% or more of a true density determined by a composition of the raw material powder.

29. (Previously Presented) A process for producing a metallic sintered body, comprising:

applying a higher fatty acid-based lubricant to an inner surface of a die;

filling a raw material powder whose major component is an active metallic element into the die;

compacting the raw material powder by warm pressurizing to make a green compact;  
ejecting the green compact from the die; and  
sintering the green compact by heating to make a metallic sintered body;  
whereby the resulting metallic sintered body has a high density.

30. (Withdrawn) A metallic sintered body produced by a process, comprising:  
applying a higher fatty acid-based lubricant to an inner surface of a die;  
filling a raw material powder whose major component is an active metallic element  
into the die;  
compacting the raw material powder by warm pressurizing to make a green compact;  
ejecting the green compact from the die; and  
sintering the green compact by heating to make a metallic sintered body;  
wherein the active metallic element is Ti; and  
a sintered-body density being an apparent density of the metallic sintered body is 85%  
or more of a true density determined by a composition of the raw material powder.

31. (Withdrawn) A metallic sintered body produced by a process, comprising:  
applying a higher fatty acid-based lubricant to an inner surface of a die;  
filling a raw material powder whose major component is an active metallic element  
into the die;  
compacting the raw material powder by warm pressurizing to make a green compact;  
ejecting the green compact from the die; and  
sintering the green compact by heating to make a metallic sintered body;  
wherein the active metallic element is Al; and

a sintered-body density being an apparent density of the metallic sintered body is 90% or more of a true density determined by a composition of the raw material powder.

32. (Withdrawn) A method of working, comprising:

applying a higher fatty acid-based lubricant to at least one surface selected from the group consisting of a surface of a metallic workpiece whose major component is an active metallic element and a working surface of a die; and  
warm working the metallic workpiece with the die.

33. (Withdrawn) The method of claim 32, wherein the applying step is carried out by at least one method selected from the group consisting of dipping methods in which the workpiece, which is heated, is immersed into a dispersion, in which the higher fatty acid-based lubricant is dispersed, and spraying methods in which a dispersion, in which the higher fatty acid-based lubricant is dispersed, is sprayed onto the metallic workpiece or the die, which is heated.

34. (Withdrawn) The method of claim 32, wherein the working step is carried out by at least one working method selected from the group consisting of forging, rolling, extruding, drawing, component rolling, coining, sizing and re-compressing.

35. (Withdrawn) A worked component part, produced by a process comprising:  
applying a higher fatty acid-based lubricant to at least one surface selected from the group consisting of a surface of a metallic workpiece whose major component is an active metallic element and a working surface of a die; and  
warm working the metallic workpiece.

36. (Currently Amended) A process for compacting a green compact, comprising:

~~applying a higher fatty acid-based lubricant to an inner surface of a die spraying a powdery higher fatty acid-based lubricant which is dispersed in a dispersion comprising a surfactant onto an inner surface of a die, which is heated;~~

filling a raw material powder whose major component is an active metallic element into the die;

compacting the raw material powder by warm pressurizing to make a green compact;

and

ejecting the green compact from the die;

whereby the resulting green compact has a high density;

wherein the active metallic element is titanium or aluminum;

wherein, in the compacting step, a new metallic soap film being different from the higher fatty acid-based lubricant and comprising the active metallic element is formed on a surface of the green compact;

wherein, when the active metallic element is titanium, a green density being an apparent density of the green compact is 85% or more of a true density determined by a composition of the raw material powder; and

wherein, when the active metallic element is aluminum, a green density being an apparent density of the green compact is 90% or more of a true density determined by a composition of the raw material powder.

37. (New) The process of in claim 1, wherein the higher fatty acid-based lubricant is applied uniformly onto the inner surface of the die.

38. (New) The process of in claim 1, wherein the new metallic soap film is uniform.

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**BASIS FOR THE AMENDMENT**

Claims 2, 5, 18 and 24 have been canceled.

The limitations of Claims 2, 5, 18 and 24 have been included in Claims 1 and 36.

New Claims 37 and 38 have been added as supported at paragraphs [0067, 0068 and 0069] of the specification.

No new matter is believed to have been added by entry of this amendment. Entry and favorable reconsideration are respectfully requested.

Upon entry of this amendment Claims 1, 3, 4, 6-17 and 19-38 will now be active in this application. Claims 27, 28 and 30-35 stand withdrawn from consideration.